<u>In the Claims:</u>

Please add new claims 13-22 as shown below:

1. (original) A method for updating object page size during reorganization of a table space in a database comprising the steps of:

    (a) allocating a shadow data set for at least one object belonging to a first data set from said table space;

    (b) writing to a shadow control block corresponding to each of said allocated shadow data sets, a new page size value; said new page size value corresponding to said at least one object;

    (c) loading rows from said first data set of said table space into said allocated shadow data set; for each row loaded, reading each object corresponding to said loaded row from said table space and writing said read object to said allocated shadow data set; and

    (d) updating at least: said first data set of said table space with data from said shadow data set; a system catalog for said database with said new page size value; and at least one database control block with said new page size value; said at least one database control block corresponding to said first data set.

2. (original) A method for updating object page size during reorganizing a table space in a database, as per claim 1, wherein said method further comprising the steps of:

    prior to said shadow data set allocation, blocking write access to said first data set from said table space; and

    subsequent to said updating said table space, said database system catalog, and said at least one database control block, allowing write operations related to said first data set to proceed.

3. (original) A method for updating object page size during reorganizing a table space in a database, as per claim 1, wherein said method is implemented across networks.

4. (original) A method for updating object page size during reorganizing a table space in a database, as per claim 3, wherein said across network element is any of the following: local area network (LAN), wide area network (WAN), or the Internet.

5. (original) A method for updating object page size during reorganizing a table space in a database, as per claim 1, wherein said loading is further comprised of:

(a) concurrently loading rows corresponding to said at least one object from said table space into said shadow data set and extracting index keys for each loaded row; said shadow data set allocated for each of said at least one object and associated indices, and

(i) for each of said loaded rows, identifying columns representing data corresponding to said at least one object; and

(ii) for each column representing data corresponding to said at least one object, reading data from said table space; said data read using row information from a currently loaded row; and writing said data corresponding to said at least one object to said shadow data set.

6. (original) A method for updating object page size during reorganizing a table space in a database, as per claim 5, wherein said method further comprising the steps of:

prior to said concurrent loading of rows and extracting of index keys, unloading rows from said table space; and

sorting said unloaded rows; said sorted rows subsequently loaded into said shadow data set in said loading step.

7. (original) A method for updating object page size during reorganizing a table space in a database, as per claim 5, wherein said method is implemented across network elements.

8. (original) A method for updating object page size during reorganizing a table space in a database, as per claim 7, wherein said across network elements is any of the following: local area network (LAN), wide area network (WAN), or the Internet.

9. (original) An article of manufacture comprising a computer usable medium having computer readable program code embodied therein which implements a method for updating object page size during reorganization of a table space in a database, said medium comprising modules implementing:

(a) allocating a shadow data set for at least one object belonging to a first data set from said table space;

(b) writing to a shadow control block corresponding to each of said allocated shadow data sets, a new page size value; said new page size value corresponding to said at least one object;

(c) loading rows from said first data set of said table space into said allocated shadow data set; for each row loaded, reading each object corresponding to said loaded row from said table space and writing said read object to said allocated shadow data set; and

(d) updating at least: said first data set of said table space with data from said shadow data set; a system catalog for said database with said new page size value; and at least one

database control block with said new page size value; said at least one database control block corresponding to said first data set.

10. (original) An article of manufacture comprising a computer usable medium having computer readable program code embodied therein which implements a method for updating object page size during reorganization of a table space in a database, as per claim 9, wherein:

prior to said shadow data set allocation, blocking write access to said first data set from said table space; and

subsequent to said updating said table space, said database system catalog, and said at least one database control block, allowing write operations related to said first data set to proceed.

11. (original) An article of manufacture comprising a computer usable medium having computer readable program code embodied therein which implements a method for updating object page size during reorganization of a table space in a database, as per claim 9, wherein said loading is further comprised of:

(a) concurrently loading rows corresponding to said at least one object from said table space into said shadow data set and extracting index keys for each loaded row; said shadow data set allocated for each of said at least one object and associated indices, and

(i) for each of said loaded rows, identifying columns representing data corresponding to said at least one object; and

(ii) for each column representing data corresponding to said at least one object, reading data from said table space; said data read using row information from a currently loaded row; and writing said data corresponding to said at least one object to said shadow data set.

12. (original) An article of manufacture comprising a computer usable medium having computer readable program code embodied therein which implements a method for updating object page size during reorganization of a table space in a database, as per claim . A method for updating object page size during reorganizing a table space in a database, as per claim 11, wherein said method further comprising the steps of:

prior to said concurrent loading of rows and extracting of index keys, unloading rows from said table space; and

sorting said unloaded rows; said sorted rows subsequently loaded into said shadow data set in said loading step.

13. (new) Reorganizing a designated object of a database that has exceeded a current page size by:

a) writing to a larger page, rows added to said designated object; said writing based on recency information;

b) permitting continual access to said designated object during said writing step;

c) reading constituent rows from a plurality of existing pages corresponding to said designated object and subsequently copying said constituent rows to said larger page; and

d) externalizing said designated object.

14. (new) Reorganizing a designated object of a database that has exceeded a current page size, as per claim 13, wherein during said copying, constituent rows of said designated object are re-arranged in physical storage to eliminate fragmentation.

15. (new) Reorganizing a designated object of a database that has exceeded a current page size, as per claim 13, wherein said database is comprised of: a plurality of index values and a system catalog.

16. (new) Reorganizing a designated object of a database that has exceed a current page size, as per claim 15, wherein during said copying, data in said constituent rows is compacted and is stored, on contiguous pages in physical storage, in accordance with one of said plurality of index values.

17. (new) Reorganizing a designated object of a database that has exceeded a current page size, as per claim 15, control information associated with said system catalog is updated to reflect said change in page size corresponding to said externalized designated object.

18. (new) An article of manufacture comprising a computer usable medium having computer readable program code embodied therein which implements the reorganization of a designated object of a database that has exceeded a current page size; said medium comprising:

a) writing to a larger page, rows added to said designated object; said writing based on recency information;

b) permitting continual access to said designated object during said writing step;

c) reading constituent rows from a plurality of existing pages corresponding to said designated object and subsequently copying said constituent rows to said larger page; and

d) externalizing said designated object.

19. (new) An article of manufacture comprising a computer usable medium, as per claim 18, wherein during said copying, constituent rows of said designated object are re-arranged in physical storage to eliminate fragmentation.

20. (new) An article of manufacture comprising a computer usable medium, as per claim 18, wherein said database is comprised of: a plurality of index values and a system catalog.

21. (new) An article of manufacture comprising a computer usable medium, as per claim 20, wherein during said copying, data in said constituent rows is compacted and is stored, on contiguous pages in physical storage, in accordance with one of said plurality of index values.

22. (new) An article of manufacture comprising a computer usable medium, as per claim 20, control information associated with said system catalog is updated to reflect said change in page size corresponding to said externalized designated object.